PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference P 03 049 WO			FOR FURTHER	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
Internation	tional ap OK 03/	oplication No. 00372	International filing d 06.06.2003	International filing date (day/month/year)		Priority date (day/month/year) 06.06.2003		
Internat B81C	tional Pa 1/00	atent Classification (IPC) o	both national classificati	on and IPC		00.00.2003		
Applica DICO		et al.			*			
1. T	his inte	ernational preliminary ex y and is transmitted to th	amination report has t ne applicant according	peen prepar to Article 3	ed by this Inter	rnational Preliminary Examining		
2. This REPORT consists of a total of 5 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of 7 sheets.								
3. Tr	nis repo	ort contains indications r	elating to the following	ı items:				
1		Basis of the opinion						
11		Priority .						
111	_	Non-establishment of	opinion with regard to	novelty, inv	/entive sten an	d industrial applicability		
IV	_	Each of utility of lifeth	lion					
٧	⊠			with regard statement	to novelty, inve	entive step or industrial applicability;		
VI		Certain documents cit						
VII		Certain defects in the	international application	on				
VII		Certain observations	on the international ap	plication				
ate of su	ıbmissio	on of the demand		Data of				
				Date of Co	empletion of this	report		
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DK 03/00372

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I.	Basis	of	the	report

 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	ı	Description, Pages						
		1-18	as originally filed					
	(Claims, Numbers						
	1	I-37	received on 11.07.2005 with letter of 08.07.2005					
	C	Drawings, Sheets	•					
		<i>1</i> 6-6/6	as originally filed					
	T	these elements were at the language of a the language of put the language of a the l	guage, all the elements marked above were available or furnished to this Authority in the international application was filed, unless otherwise indicated under this item. available or furnished to this Authority in the following language: , which is: translation furnished for the purposes of the international search (under Rule 23.1(b)). It is international application (under Rule 48.3(b)). It is a lateral translation furnished for the purposes of international preliminary examination (under 5.3). It is a lateral translation furnished for the purposes of international preliminary examination (under 5.3). It is a lateral translation furnished examination of the international application, the sequence listing: the international application in written form. The international application in computer readable form. It is a lateral to this Authority in written form. The subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.					
1	_	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
ч.			resulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
	L	the drawings,	sheets:					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No: Claims

1, 31

Inventive step (IS)

Yes: Claims

No: Claims

2-30, 32-37

Industrial applicability (IA)

Yes: Claims

1-37

No: Claims

2. Citations and explanations

see separate sheet

1 Reference is made to the following documents:

D1: US-B-6 415 068 (SUN D) 2 July 2002

D2: US-A-2002/0104990 (DEREUS D R ET AL) 8 August 2002

D3: Helsel M P et al. "Wafer Scale Packaging for a MEMS Video Scanner", Proceedings of the SPIE, Volume 4407, Conference "MEMS Design, Fabrication, Characterization, and Packaging" held at Edinburgh, 30 May - 1 June 2001 published in 2001 in the USA, pages 214-220

The documents D1-D3 were not cited in the international search report.

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- The application does not meet the requirements of Article 6 PCT, because the claims are not clear. The independent claims do not define the device/method so that it becomes clear what the arrangement of the (fabricated) device is.
- The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

The document D3 discloses an optical microelectromechanical structure (MEMS) (see D3, figure 4, figure 7 and section "3.2 Future Work") comprising

- at least one optically transmissive layer (see D3, section "3.2 Future Work", the flat piece of glass)
- at least one intermediate layer structure (see D3, section "3.2 Future Work", the rigid frame)
- at least one device layer (see D3, section "3.2 Future Work", the scanner die) said intermediate layer structure facilitating one or more optical paths between said substantially optically transmissive layer and said device layer, said intermediate structure layer defining the distance between said optically transmissive layer and said device layer and wherein said microelectromechanical structure (MEMS) comprises a sealed package and where the sealed package is partly comprised by said optically transmissive layers (see D3, section "3.2 Future Work", lines 1-5). Hence all the technical features of claim 1 are known from D3.

INTERNATIONAL PRELIMINARY International application No. PCT/DK 03/00372 EXAMINATION REPORT - SEPARATE SHEET

The same reasoning applies, mutatis mutandis, to the subject-matter of the corresponding independent claim 31, which therefore is also considered not new.